

Description

Subroutine EVAC04 is the fourth accumulator routine.

It finds the cumulative value for a time series. The cumulative value is calculated for any time scale but was designed specifically with discharge time series in mind. For mean or instantaneous time scales, the cumulative value is divided by the number of time periods in a day in order to standardize everything into units of a day.

Calling Sequence

CALL EVAC04 (a,b,c,d,e,f,g,h,i,j,k,l,m,n,o,p,q,r,s)

Argument List

<u>Argument</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
a	Input	I*4	1	First Julian day to be accumulated
b	Input	I*4	1	First Julian hour to be accumulated
c	Input	I*4	1	Last Julian day to be accumulated
d	Input	I*4	1	Last Julian hour to be accumulated
e	Input	R*4	*	Array D containing the time series data
f	Both	R*4	*	Accumulator array; the first element is the cumulative value
g	Input	I*4	1	Number of days already accumulated for this time series
h	Input	I*4	1	Number of hours already accumulated for this time series
i	Input	A8	1	Time series identifier
j	Input	A4	1	Time series data type code
k	Input	I*4	1	Time series data time interval
l	Input	I*4	1	Number of values per time interval

<u>Argument</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
m	Input	I*4	1	Time series time scale code
n	Input	I*4	1	Value of interest (needed for multi-valued time series)
o	Both	R*4	1	Carryover value set equal to zero except for instantaneous time series for which this value is 1/2 of the last value used in array D
p	Input	I*4	1	Output variable option (not used)
q	Input	R*4	1	Cutoff level for output variable (not used)
r	Input	R*4	*	Work space array
s	Input	I*4	1	Length of work space array